

San José LED Streetlight Conversion Program



- Green Vision Goal 9: Replace 100 percent of San José public streetlights with smart, zero emission streetlights (lights powered exclusively by renewable energy) by 2022 and cutting carbon foot print by 50%.
- San Jose is the first U.S. city to install “smart” energy-efficient streetlights — coupling energy efficient LED streetlights with communication control systems.
- Communications capability to the energy efficient streetlights enable the lights to be monitored and programmed to dim in the late evening hours for greater energy savings.



Before

After

- To date, 270 low-pressure sodium public roadway lighting have been converted to “smart” LED streetlights.
- By 2012, over 2,000 more public streetlights will be converted to the state-of-the-art system funded by federal dollars primarily through the Energy Efficient Community Block Grant.
- These installations would reduce energy use by approximately 370,000 kWh/yr and the green house gas emissions by 255 metric tons of CO₂.
- Recently, over 100 LED streetlights were installed at the San Jose/Santa Clara Water Pollution Control Plant with estimated savings of 69,000 kWh/yr.

LEDs are environmentally friendly because they do not contain hazardous material such as mercury. Similar to other electrical components, they can be recycled. Consequently, converting to LED streetlights will also advance San José’s goal to become a zero waste city.

